CLAIMS

1. A particle movement-type display apparatus, comprising:

a pixel portion,

a peripheral area around the pixel portion, and

particles,

wherein at least a part of the peripheral area around the pixel portion is provided with a recess portion capable of accommodating a part of the particles therein.

2. An apparatus according to Claim 1, wherein the recess portion has a depth which is not less than a diameter of the particles.

3. An apparatus according to Claim 1, wherein the peripheral area comprises a periphery of a display portion comprising a plurality of pixel portions and a partition wall for partitioning the pixel portions.

4. An apparatus according to Claim 1, wherein the peripheral area comprises a partition wall for partitioning the plurality of pixel portions.

5. A particle movement-type display apparatus, comprising:

a first substrate and a second substrate,

a partition wall disposed between the first and second substrates,

particles disposed at a pixel portion defined by the first substrate, the second substrate and the partition wall, and

an electrode for moving the particles,

wherein the apparatus further comprises a structure, which has a projection portion having a height substantially equal to a height of the partition wall and a recess portion in which a part of the particles are capable of being accommodated, disposed at at least a part of a peripheral area around a display portion comprising the plurality of pixel portions.

6. An apparatus according to Claim 5, wherein the projection portion has a mesh shape, a linear or curved line shape, a dot shape, a shape closely surrounding the display portion, a double cross shape, a cross shape, a honeycomb shape, or a combination of these shapes.

7. An apparatus according to Claim 5, wherein the projection portion has a line width, which is not more than ten times a diameter of the particles, at an upper surface thereof.